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Department of the Air Force  
30th Space Wing  
Vandenberg AFB, CA 93437

Attention: SES (M. McCombs)

Subject: Review of Titan Program Test Procedure listing for application of Hazardous/Non-Hazardous designation.

Reference: Contract F04684-97-C-0020  
CDRL Item A002, Technical Report -Type 1  
Task No. 10/01-508

Gentlemen:

The purpose of this submittal is to document the findings from the subject review.

The subject review has been completed. The attached listing reflects the potential conflicts as a result of a title only look at the procedure listing. The concerns identified and documented during this review show a potential inconsistency in the way procedures are designated as Hazardous or Non-Hazardous. I recommend the identified list of procedures be reviewed with the contractor and they be tasked with providing rationale for application of the designation.

An electronic copy of the draft with comments has been forwarded to Mr. Stan Aulabaugh, 30 SW/SESI.

Please contact [REDACTED] if you have questions.

Very truly yours,

[REDACTED]

Program Manager  
Vandenberg Operations

JMC:ba

Attachment: Comments

cc: 30 CONS/LGCZG (w/o atch)  
File

|   |
|---|
| <p align="center"><b>TITAN TEST PROCEDURE STATUS LISTING</b><br/> <b>DATED 01 FEBRUARY 2001</b></p> |
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**GENERAL COMMENTS:**

The following listing is representative of procedures, which perform the same tasks in different Launch Operations Locations, but do not apply the designation of Hazardous/Non-Hazardous consistently. Some also do not appear to meet the criteria for their designation, and should be candidates for reassessment and potential de-rating to Non-Hazardous, or re-rating to Hazardous.

|              |     |  |  |
|--------------|-----|--|--|
| T2K-02C27-AB | (H) | Stage II Hydraulic System Checkout and Service   |  |
| T2K-02C27-4W |     | Stage II Hydraulic System Checkout and Service   |  |
| T7K-02K04-4E |     | Rate Gyro Removal and Replacement  |  |
| T8K-02K04-4E | (H) | Rate Gyro Removal and Replacement  |  |
| T2K-05B20-AB | (H) | Vehicle Transfer Operations<br>(Stated as Hazardous due to handling Flight Hardware and coordinated bridge crane operations) |  |
| T2K-05S50-AB | (H) | Load Vehicle Trailers for Rail or Road Shipment  |  |
| T7K-05S50-AB |     | Vehicle Trailer Loading for Rail or Road Shipment  |  |
| T2K-08K05-4W | (H) | Stage I Fuel Toroidal Accumulator R&R  |  |
| T8K-08K05-4E |     | Stage I Fuel Toroidal Accumulator R&R  |  |
| T2K-08K06-4W |     | Fuel Prevalve – R&R  |  |
| T2K-08K07-4W |     | Oxidizer Prevalve/Accumulator – R&R  |  |
| T7K-08K07-4E |     | Prevalves – Removal and Replacement  |  |
| T2K-08U01-AB |     | Stage I Engine Installation  |  |
| T2K-08U02-AB | (H) | Stage II Engine Installation   |  |
| T2K-09B10-FO | (H) | C-5A Aircraft PLF Unload   |  |
| T7N-09B10-FO |     | C-5A Aircraft PLF Unload and Transport   |  |
| T8R-09B10-FO |     | C-5A Aircraft 45F PLF Unload and Transport   |  |
| T8L-09C03-PF |     | Linear Explosive Assembly Installation   |  |
| T8N-09C03-PF | (H) | LEA Installation   |  |
| T7N-09C12-PF | (H) | 45J PLF Forward Trisector Handling   |  |
| T8L-09C12-PF |     | PLF Forward Trisector Handling   |  |

|              |     |   |
|--------------|-----|---|
| T8R-09P50-PF |     | Boeing PLF FHE Preparation for Shipment                   |
| T8L-09P51-PF |     | MDSSC PLF Trisector Cradles Preparation for Shipment      |
| T8N-09P51-PF | (H) | MDAC PLF Trisector Cradles Preparation for Shipment       |
| T7N-09S03-PF | (H) | Payload Fairing LEA Removal                               |
| T8L-09S03-PF |     | Payload Fairing LEA Removal                               |
| T7K-15M06-SA | (H) | SRMU Ordnance Handle/Unpackage/Repackage                  |
| T7K-15M08-SA | (H) | SRMU Igniter Assembly, Handle/Unpack/Repack               |
| T7K-15M09-SA | (H) | SRMU Gas Generator Handle/Unpack/Repack                   |
| T7K-15M14-SA |     | SRMU High Voltage Detonator, Handle/Unpack/Repack         |
| T7K-15M16-SA |     | SRMU Linear Shape Charge Handle/Unpack/Repack             |
| T7K-15M21-SA |     | SRMU Staging Rocket Motor Handle/Unpack/Repack            |
| T8K-15M22-SA |     | Pre-install Mark, Reinforce Confined Detonator Cord Assy. |
| T8K-16M50-SA |     | ESEBW Checkout  |

**SPECIFIC COMMENTS:**

None

**OTHER COMMENTS:**

None